USER-SPACE RESOURCE MANAGEMENT

ABSTRACT

5   Systems and methods of user-space resource management. Resource usage of a workload is monitored outside of an operating system space. Alternatively, resource usage of a workload can be monitored from within the workload. A resource monitor scans a plurality of workloads to determine if a workload exceeds a resource capacity limit. The resource monitor can also

10   determine if a workload exceeds a threshold limit that is less than the resource capacity limit. The resource monitor can initiate a process in user space to reduce the workload's resource usage. Monitoring resource usage from outside of an operating system space enables optimization of computing resources dedicated to resource usage monitoring. In a virtual memory operating system,

15   a user-space resource monitor can perform selection of pages for paging.